

Amendment

Serial No.: 08/099,257

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Title: VEHICLE DETECTOR WITH ENVIRONMENTAL ADAPTATION

Page 2 of 7

(ii)]

the vehicle exits
~~calculating a [the] time after vehicle exit from the detection area at which the vehicle will not influence the period of the oscillator signal, wherein the time calculation is based upon the vehicle speed and upon a predetermined distance from the [said] detection area [at which vehicle travel will not influence said period];~~

~~producing a sample measurement value at the calculated time after vehicle exit[ing] from the detection area;~~

~~comparing the [a said] reference value and the sample measurement value; and~~

~~adjusting the reference value[,] based upon the comparison.~~

In claim 2, line 2, before "calculating" please insert --step of--; please delete the word "of" and insert therefor --after--; after "exit", please insert --from the detection area--; after "comprises" please insert --the steps of--.

In claim 3, line 1, after "wherein" please insert --the step of--; line 2, please delete "comprises" and insert therefor --further comprises the steps of--.

In claim 4, line 1, please delete the word "and"; line 2, after "comprising" please insert --the step of--.

Sub G3
5. (Twice Amended) ~~A method of checking a reference value used in an inductive sensor vehicle detector, [which comprises] comprising the steps of:~~

~~measuring frequency of an oscillator signal to produce a measurement value which is a function of inductance of the inductive sensor;~~

~~indicating presence of a vehicle if a difference between the measurement value and the reference value exceeds a threshold value;~~

~~measuring vehicle speed of [a] the vehicle passing through a sensor area associated with the inductive sensor, the vehicle speed measurement based upon a rate of frequency change and a magnitude of frequency change of the oscillator signal caused by the vehicle;~~

~~determining a time after vehicle exits from the sensor area, based upon the vehicle speed and upon a predetermined distance from the sensor area, at which the~~

F
E 1
(cont'd)

E 2
(cont'd)